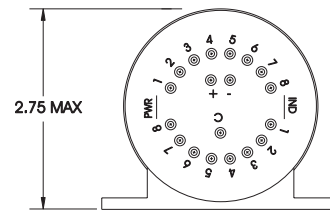
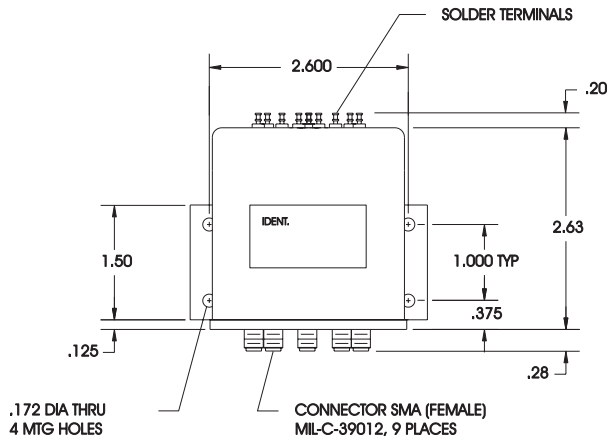


# N8 SERIES SP8T DC - 18.0 GHz

## MOUNTING BRACKET

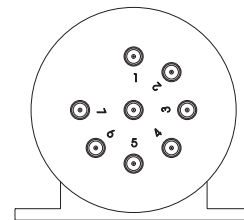
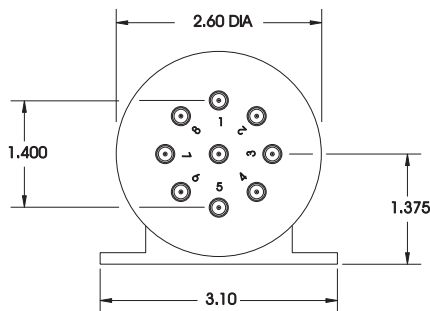


<b>FREQUENCY:</b> GHz	DC - 2.0	2.0 - 4.0	4.0 - 8.0	8.0 - 12.4	12.4 - 18.0
<b>VSWR (MAX.)</b>	1.20:1	1.25:1	1.30:1	1.40:1	1.60:1
<b>INSERTION LOSS (MAX.)</b>	0.20	0.25	0.30	0.40	0.70
<b>ISOLATION (MIN.)</b>	90	80	80	70	60
<b>IMPEDANCE</b>	50 Ohms				
<b>MECHANICAL</b>					
CONTACT : BREAK BEFORE MAKE					
ACTUATOR : FAILSAFE, LATCHING, MOMENTARY					
SWITCHING SPEED : 20 mSEC MAX.					
<b>ELECTRICAL</b>					
ACTUATOR VOLTAGE : 28.0, 24.0, 15.0, 12 Vdc					
ACTUATOR CURRENT : CONTACT CEI					
POWER HANDLING : 200 WCW @ 1.0 GHz					
300 WCW @ 1.0 GHz (OPT. /P)					
<b>ENVIRONMENTAL</b>					
OPERATING TEMP : -30 DEG. C TO 80 DEG. C (STANDARD)					
-54 DEG. C TO 90 DEG. C (OPT. /MS)					
SHOCK : 50 G's (SAWTOOTH)					
RANDOM VIBRATION : 15 G's rms (NON-OPEARTING)					
LIFE : 1,000,000 CYCLES					
<b>FINISH</b>					
RF CAVITY : ALUMINUM ELECTROLESS NICKEL PLATED					
PER MIL-C-26074, CLASS 4					
(EXCEPT LOW OR ULTRA LOW PIM MODELS)					
ENCLOSURE : ALUMINUM, BLUE OR BLACK					
CONTACT : BERYLLIUM COPPER, GOLD PLATED					
PER MIL-G-45204					
CONNECTOR SHELL : CRES, PASSIVATED PER QQ-P-35 OR BRASS,					
ELECTROLESS NICKEL PLATED					
PER MIL-C-26074					
NOTE : FINISH MAY VARY FOR /MS VERSION					
<b>AVAILABLE OPTIONS</b>					
INDICATOR CIRCUITRY : CUT OFF POWER CIRCUIT					
SUPPRESSION DIODE : D' SUB MINIATURE SERIES					
TTL LOGIC : MS CONNECTOR (MIL-SPEC)					
BCD TTL DECODER : LOW, ULTRA, OR SUP INTERMODULATION (IM)					



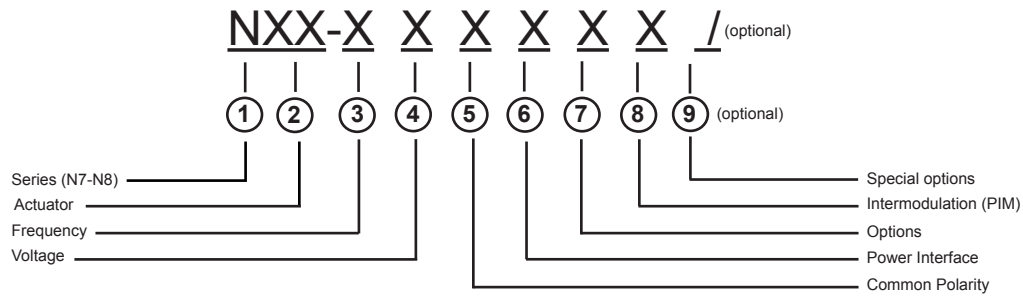
TOP VIEW

NOTE: SWITCH SHOWN WITH INDICATOR OPTION



O7

## N7-N8 SERIES PART NUMBER &amp; ORDERING INFORMATION

**1 - Switch Series**

N7	SP7T SMA
N8	SP8T SMA

**2 - Actuator**

F	FAILSAFE	R	MOMENTARY
G	FAILSAFE WITH SUPPRESSION DIODE	S	MOMENTARY WITH SUPPRESSION DIODE
H	FAILSAFE WITH INDICATOR	T	MOMENTARY WITH INDICATOR
J	FAILSAFE WITH SUPPRESSION DIODE AND INDICATOR	U	MOMENTARY WITH SUPPRESSION DIODE AND INDICATOR
L	LATCHING	Y	OTHER (SPECIFY)
M	LATCHING WITH SUPPRESSION DIODE		
N	LATCHING WITH INDICATOR		
P	LATCHING WITH SUPPRESSION DIODE AND INDICATOR		

**3 - Frequency Bandwidth**

1	DC - 13.0 GHz	6	DC - 6.0 GHz
2	DC - 2.0 GHz	0	OTHER (SPECIFY)
3	DC - 12.4 GHz		
4	DC - 4.0 GHz		
5	DC - 18.0 GHz		

**4 - Voltage**

1	10 - 14 Vdc (12.0 NOMINAL)	4	24 - 32 Vdc (28.0 NOMINAL)
2	13 - 18 Vdc (15.0 NOMINAL)	5	OTHER
3	20 - 30 Vdc (24.0 NOMINAL)	0	NOT REQUIRED

**5 - Common Polarity**

1	POSITIVE (+) COMMON
2	NEGATIVE (-) OR RETURN V <sub>dc</sub> COMMON
0	NOT REQUIRED

**6 - Power Interface**

1	SOLDER TERMINAL (TOP OF SWITCH)	5	D' SUB MINIATURE SERIES (TOP OF SWITCH)
3	CONN MS3112E-XX-XXP OR EQUIV. (TOP OF SWITCH)	8	OTHER

**7 - Options**

1	CUT OFF POWER CIRCUIT (LATCHING ONLY)	8	OTHER (SPECIFY)
2	TTL LOGIC	9	CUSTOM (ORDER)
3	CUT OFF PWR CIRCUIT & TTL LOGIC (LATCHING ONLY)	0	NO OTHER OPTIONS REQUIRED
4	BCD TTL DECODER		

**8 - Intermodulation**

7	LOW PASSIVE INTERMODULATION	9	ULTRA LOW PASSIVE INTERMODULATION
8	SUPERIOR PASSIVE INTERMODULATION	0	STANDARD SWITCH

**9 - Special Options (optional - leave blank if not required)**

/P	HIGH TEMP, HIGH POWER CONNECTOR
/MS	EXTENDED TEMP RANGE -54 DEG C TO + 90 DEG
/MSP	HIGH TEMP, HIGH POWER CONNECTOR AND EXTENDED TEMP RANGE


**CHARTER ENGINEERING, INC.**

 INTERNET: <http://www.ceiswitches.com>

 EMAIL: [sales@ceiswitches.com](mailto:sales@ceiswitches.com)